

IFW 2136

<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application No.	09/966,224	
	Filing Date	September 28, 2001	
	First Named Inventor	Michael D. Ruehle	
	Art Unit	2136	
	Examiner Name	Carl G. Colin	
Total Number of Pages in This Submission	9	Attorney Docket Number	42390P11974

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form  <input checked="" type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment / Response  <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input checked="" type="checkbox"/> Information Disclosure Statement  <input checked="" type="checkbox"/> PTO/SB/08  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/Incomplete Application  <input type="checkbox"/> Basic Filing Fee <input type="checkbox"/> Declaration/POA  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <div style="border: 1px solid black; padding: 5px; margin-top: 5px;">* Check for \$180.00 * Cited References (5) * Return Receipt Postcard</div>
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Vincent H. Anderson, Reg. No. 54,962  BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Signature	
Date	January 12, 2006

CERTIFICATE OF MAILING/TRANSMISSION			
I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.			
Typed or printed name		Theresa Belland	
Signature		Date	January 12, 2006



# FEE TRANSMITTAL for FY 2005

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$) 180.00

## Complete if Known

Application Number	09/966,224
Filing Date	September 28, 2001
First Named Inventor	Michael D. Ruehle
Examiner Name	Carl G. Colin
Art Unit	2136
Attorney Docket No.	42390P11974

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any additional fee(s) or underpayment of fee(s) ☒ Credit any overpayments  
under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.

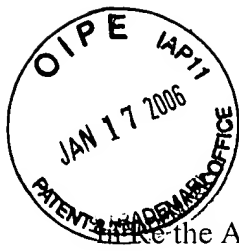
## FEE CALCULATION

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
2053	130	2053	130	Non-English specification	
1251	120	2251	60	Extension for reply within first month	
1252	450	2252	225	Extension for reply within second month	
1253	1,020	2253	510	Extension for reply within third month	
1254	1,590	2254	795	Extension for reply within fourth month	
1255	2,160	2255	1,080	Extension for reply within fifth month	
1401	500	2401	250	Notice of Appeal	
1402	500	2402	250	Filing a brief in support of an appeal	
1403	1,000	2403	500	Request for oral hearing	
1451	1,510	2451	1,510	Petition to institute a public use proceeding	
1460	130	2460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	180.00
1809	790	1809	395	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))	
Other fee (specify) _____					
SUBTOTAL (2) (\$)					180.00

## SUBMITTED BY

## Complete (if applicable)

Name (Print/Type)	Vincent H. Anderson	Registration No. (Attorney/Agent)	54,962	Telephone	(503) 439-8778
Signature		Date	01/12/06		



Docket No.: 42390P11974

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re the Application of:

MICHAEL D. RUEHLE, ET AL.

Application No.: 09/966,224

Filed: September 28, 2001

For: **Method and Apparatus for Performing  
Modular Exponentiation**

Art Group: 2136

Examiner: Carl G. Colin

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of IDS Citation Form PTO/SB/08 or PTO-1449, together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed). This IDS and IDS Citation Form are being submitted before the mailing of a final Office Action. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

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180.00 DP

The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

The fee set in the amount of \$180.00 for submission of the Information Disclosure Statement is enclosed herewith. Please charge any additional fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

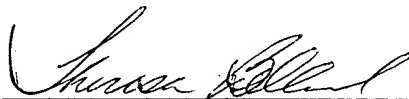


Vincent H. Anderson, Reg. No. 54,962

Date: January 12, 2006

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Telephone: (503) 439-8778

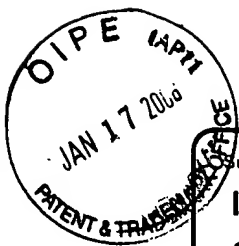
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**Theresa Belland**

01-12-06

**Date**



Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		Application Number	09/966,224
		Filing Date	September 28, 2001
		First Named Inventor	Michael D. Ruehle
		Art Unit	2136
		Examiner Name	Carl G. Colin
		Attorney Docket Number	42390P11974
Sheet	1	of	2

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-4,493,048	01-08-1985	Kung et al.	
		US-4,686,645	08-11-1987	McCanny et al.	
		US-4,748,583	05-31-1988	Noll	
		US-4,799,182	01-17-1989	Marwood	
		US-6,219,815 B1	04-17-2001	DesJardins et al.	
		US-6,356,636 B1	03-12-2002	Foster et al.	
		US-6,625,631 B2	09-23-2003	Ruehle	
		US-6,662,201 B1	12-09-2003	Kawamura	
		US-6,732,133 B2	05-04-2004	Ruehle	
		US-6,804,696	10-12-2004	Chen et al.	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>2</sup> - Number <sup>2</sup> - Kind Code <sup>2</sup> (if known)				
		WO 01/22653 A2 & A3	03-29-2001	Raytheon Company		
				</		

Examiner Signature	Date Considered
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<sup>1</sup>Applicant's unique citation designation number (optional).<sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.<sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).<sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.<sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

Sheet 2 of 2

## **Complete if Known**

Application Number 09/966,224  
 Filing Date September 28, 2001  
 First Named Inventor Michael D. Ruehle  
 Art Unit 2136  
 Examiner Name Carl G. Colin  
 Attorney Docket Number 42390P11974

## **NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		JYH-HUEI GUO ET AL., "A Novel Digit-Serial Systolic Array for Modular Multiplication", <i>Proceedings of the IEEE International Symposium on Circuits and Systems</i> , May 31-June 3, 1998, Monterey, California, pg. II-177-180.	
		JYH-HUEI GUO ET AL., "Design and Implementation of an RSA Public-Key Cryptosystem", <i>Proceedings of the IEEE International Symposium on Circuits and Systems</i> , 1999, pg. I-504-507.	
		C.D. WALTER, "Systolic Modular Multiplication", <i>IEEE Transactions on Computers</i> , Vol. 42, No. 3, March 1, 1993, pg. 376-378, IEEE Inc., New York, US.	
		WEIXIN GAI ET AL., "A Systolic Linear Array for Modular Multiplication", <i>Proceedings of the IEEE 2nd International Conference on ASIC</i> , October 1996, pg. 171-174.	

Examiner Signature	Date Considered
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

†Applicant's unique citation designation number.²Applicant is to place a check mark here if English language Translation is attached.

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